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FÜR LAND- UND FORSTWIRTSCHAFT
IN BERLIN-DAHLEM

# BIBLIOGRAPHIE DER PFLANZENSCHUTZ-LITERATUR

## BIBLIOGRAPHY OF PLANT PROTECTION

## BIBLIOGRAPHIE DE LA PROTECTION DES PLANTES

**1948 - 1949**

Bearbeitet von

Regierungsrat

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# Vorwort

Die »Bibliographie der Pflanzenschutzliteratur« wurde von Oberregierungsrat Professor Dr. Morstatt im Jahre 1921 zum ersten Male herausgegeben und umfaßt in 25 Bänden die Pflanzenschutzliteratur der Jahre 1914—1947 und 1950—1951. Vorliegende Bibliographie enthält über 21100 Literaturzitate der Jahre 1948—1949.

Die von Prof. Morstatt geschaffenen Gruppierungen wurden beibehalten. Um jedoch aus dem umfangreichen Material ein schnelles und sicheres Auffinden der gesuchten Literatur zu gewährleisten, war es unerläßlich, die einzelnen Kapitel, ihrem Umfang entsprechend, weiter aufzuteilen. Dies trifft besonders für die einzelnen Abschnitte über pilzliche Parasiten und Insektenschädlinge zu. Aus praktischen Erwägungen heraus sind hier die Überschriften lateinisch bezeichnet und systematisch geordnet. Wo sich jedoch die systematische Gliederung als unzweckmäßig erwies, wurde eine alphabetische Anordnung der betreffenden Familien und Gattungen bevorzugt, so z. B. in den Abschnitten III, 5 »Handelspflanzen« und III, 9 »Zierpflanzen«.

Die mit römischen und arabischen Zahlen versehenen Hauptabteilungen und Hauptkapitel blieben, entsprechend der Aufteilung früherer Ausgaben der Bibliographie der Pflanzenschutzliteratur, unverändert, um eine laufende Eingruppierung der Literaturnachweise in die Gesamtkartei des Pflanzenschutzes zu ermöglichen. Diese befindet sich in der Biologischen Bundesanstalt für Land- und Forstwirtschaft, Berlin-Dahlem, und umfaßt etwa 300000 Karteikarten.

Sämtliche Kapitelüberschriften sind in einem ausführlichen Inhaltsverzeichnis aufgeführt, und es ist empfehlenswert, vor dem Aufsuchen von Literatur diesen Index weitgehend zu benutzen. Hinzukommen die »lebenden Kolumnentitel«, die für eine allgemeine Orientierung ausreichend sind.

Titel, Einleitungen, Kapitelüberschriften und »lebende Kolumnentitel« werden in drei Sprachen, deutsch, englisch und französisch, wiedergegeben. Erläuterungen zur Quellenangabe, wie Seitenzahlen, Abbildungen usw., erscheinen bei Literaturzitaten deutscher Arbeiten in deutscher Sprache, bei ausländischen durchgehend in lateinischer. Die entsprechenden Abkürzungen sind nachfolgender Tabelle zu entnehmen:

| lateinisch | | deutsch | | englisch | französisch |
|---|---|---|---|---|---|
| ann. | = annuus | Jahrg. | = Jahrgang | annual publication | année |
| ed. | = editio | Aufl. | = Auflage | edition | édition |
| fig. | = figura(e) | Abb. | = Abbildung(en) | figure | figure, illustration |
| nr. | = numerus | Nr. | = Nummer(n) Heft(e) | number | numéro |
| n. ser. | = nova series | n. S. | = neue Serie neue Reihe | new series | série nouvelle |
| p. | = pagina(e) | S. | = Seite(n) | page | page |
| separ. | = separatum | Sdr. | = Sonderdruck | special print | tirage à part |
| tab. | = tabula | Taf. | = Tafel(n) | plate | planche |
| tab. col. | = tabula colorata | Farbtaf. | = Farbtafel(n) | coloured plate | planche en couleurs |
| tab. geogr. | = tabula geographica | Kart. | = Karte(n) Landkarte(n) | map | carte |
| vol. | = volumen | Bd. Bde. | = Band = Bände | volume | volume, tome |

Um bei der Dokumentation von Veröffentlichungen allgemeinen Inhalts Überschneidungen zu vermeiden, sind auch den Untergruppierungen Kapitel mit allgemeinen Themen vorangestellt.

Literaturangaben über die Gattungen *Morus* und *Salix* wurden gesondert an den Schluß des Kapitels III, 8 »Forstgehölze« gestellt. Im Abschnitt IV, 2b »Biologische Bekämpfung« sind die Überparasiten nicht getrennt aufgeführt, sondern innerhalb der zoologisch-systematischen Einteilung zu finden.

In eckigen Klammern beigefügte Texte dienen zur besseren Inhaltsbezeichnung des Literaturzitats.

Allen, die dazu beigetragen haben, die oft beträchtlichen Schwierigkeiten beim weiteren Ausbau der Bibliographie der Pflanzenschutzliteratur zu überwinden, sei an dieser Stelle besonders gedankt.

Berlin-Dahlem, den 17. April 1958 **Johannes Bärner**

# Introduction

The »Bibliographie der Pflanzenschutzliteratur« was issued the first time by Oberregierungsrat Prof. Dr. Morstatt in 1921, and includes in 25 volumes the phytopathological literature for the years 1914—1947 and 1950—1951. This bibliography comprises more than 21 100 titles for 1948—1949.

The provided arrangements of Prof. Morstatt were kept on. In order to guarantee a fast and sure way of locating the desired literature it was indispensable to classify the single chapter according to their extents in a more particular way. This is especially true of the single sections on the mycological parasites and entomological pests. From a practical consideration, the headings have been written in the Latin language and have been arranged systematically. Where the systematical classification has proved unsuitable, however, an alphabetical one of the families and species concerned has been used, such as in chapter III, 5 »Commercial plants« and in chapter III, 9 »Ornamental plants«.

The main departments and chapters, using Roman and Arabic numerals, have remained unchanged according to the classification of the former editions of the bibliographies of plant protection, thus facilitating a continuous arrangement of the literature works of reference into a card index of plant protection. This card index is to be found in the »Biologische Bundesanstalt für Land- und Forstwirtschaft, Berlin-Dahlem«, and comprises nearly 300 000 cards.

All the chapter headings have been specified in the detailed contents. Hence, it is recommended to use this index extensively before looking up the desired literature. In addition, there are the »living headings«, which are sufficient for general information.

Titles, introductions, chapter headings and »living headings« have been written in three languages, German, English, and French. Explanations as to the sources, the numbers of pages, figures, etc., have appeared in the German language where German works are quoted and in Latin for all the foreign works. The abbreviations used are to be taken from the following table:

| Latin | | German | | English | French |
|---|---|---|---|---|---|
| ann. | = annuus | Jahrg. | = Jahrgang | annual publication | année |
| ed. | = editio | Aufl. | = Auflage | edition | édition |
| fig. | = figura(e) | Abb. | = Abbildung(en) | figure | figure, illustration |
| nr. | = numerus | Nr. | = Nummer(n)<br>Heft(e) | number | numéro |
| n. ser. | = nova series | n. S. | = neue Serie<br>neue Reihe | new series | série nouvelle |
| p. | = pagina(e) | S. | = Seite(n) | page | page |
| separ. | = separatum | Sdr. | = Sonderdruck | special print | tirage à part |
| tab. | = tabula | Taf. | = Tafel(n) | plate | planche |
| tab. col. | = tabula colorata | Farbtaf. | = Farbtafel(n) | coloured plate | planche en couleurs |
| tab. geogr. | = tabula geographica | Kart. | = Karte(n)<br>Landkarte(n) | map | carte |
| vol. | = volumen | Bd.<br>Bde. | = Band<br>= Bände | volume | volume, tome |

In order to avoid repetition of the quotations of literature, »general parts« have been inserted into the sub-chapters.

Statements of literature on the species of *Morus* and *Salix* have been put at the end of chapter III, 8 »Forest trees«. In the chapter IV, 2b »Biological control« the hyperparasites have not been listed separately, but can be found in the zoological systematical classification.

Texts within cornered brackets serve as more distinct contents of the quotations of literature.

To all those who have contributed to overcoming the often considerable difficulties in completing this bibliography of the literature of plant protection, I give particular thanks.

Berlin-Dahlem, April 17, 1958 **Johannes Bärner**

# Introduction

La »Bibliographie der Pflanzenschutzliteratur« fut publiée dès 1921 par le Oberregierungsrat Prof. Dr. Morstatt. En 25 volumes, elle compile la littérature spéciale de la période de 1914—1947 et 1950—1951. Ce tôme contient plus que 21100 titres des années 1948—1949.

La classification adoptée par Prof. Morstatt est gardée; cependant il était indispensable de spécifier davantage les chapitres les plus volumineux afin de faciliter les travaux désirés dans le matérial considérable. En particulier cette subdivision a été appliquée aux chapitres traitant des champignons pathogènes et des insectes nuisibles. Il a été considéré pratique de reproduire les en-têtes de ces chapitres en latin et de les classer systématiquement. L'ordre alphabétique a été préféré pour les familles et genres dont une classification systématique n'était pas indiquée, par exemple chapitre III, 5 »plantes du commerce« et III, 9 »plantes horticoles«.

Les divisions et chapitres principaux munis de chiffres romains et arabes sont restés inchangés. Ils correspondent toujours à ceux des éditions précédentes de la »Bibliographie der Pflanzenschutzliteratur« afin de faciliter l'enregistrement dans le fichier de la protection des plantes. Celui se trouve à »Biologische Bundesanstalt für Land- und Forstwirtschaft« à Berlin-Dahlem et comporte plus de 300 000 fiches.

Tous les en-têtes figurent sur une table des matières détaillée et pour les recherches de littérature nous recommandons de se servir toujours de cet index. S'y ajoutent les »titres courants« qui suffiront pour une orientation générale.

Les titres, les introductions, les en-têtes et les »titres courants« se trouvent reproduits en allemand, français et anglais. Les renseignements concernant l'indication des sources (numéros des pages, illustrations etc.) figurent en allemand s'il s'agit de publications allemandes et en latin pour les publications étrangères. Les abréviations se trouvent expliquées ci-après:

| latin | | allemand | | français | anglais |
|---|---|---|---|---|---|
| ann. | = annuus | Jahrg. | = Jahrgang | année | annual publication |
| ed. | = editio | Aufl. | = Auflage | édition | edition |
| fig. | = figura(e) | Abb. | = Abbildung(en) | figure, illustration | figure |
| nr. | = numerus | Nr. | = Nummer(n) Heft(e) | numéro | number |
| n. ser. | = nova series | n. S. | = neue Serie neue Reihe | série nouvelle | new series |
| p. | = pagina(e) | S. | = Seite(n) | page | page |
| separ. | = separatum | Sdr. | = Sonderdruck | tirage à part | special print |
| tab. | = tabula | Taf. | = Tafel(n) | planche | plate |
| tab. col. | = tabula colorata | Farbtaf. | = Farbtafel(n) | planche en couleurs | coloured plate |
| tab. geogr. | = tabula geographica | Kart. | = Karte(n) Landkarte(n) | carte | map |
| vol. | = volumen | Bd. Bde. | = Band = Bände | volume, tome | volume |

Des chapitres d'un thème général précédent aussi les subdivisions afin d'éviter des répétitions dans la documentation.

La littérature citée pour les genres *Morus* et *Salix* est traitée à part à la fin du chapitre III, 8 »arbres forestiers«. Les hyperparasites (chapitre IV, 2b »lutte biologique«) n'ont pas été mentionnés séparément mais font partie de la classification zoologique.

Les textes entre crochets précisent le contenu de la littérature citée.

Nous tenons à remercier particulièrement tous ceux qui ont contribué à surmonter les difficultés s'opposant à l'achèvement de la »Bibliographie der Pflanzenschutzliteratur«.

Berlin-Dahlem, 17 avril 1958 **Johannes Bärner**

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# II. Krankheiten und Ursachen
# Diseases and causes — Maladies et leurs causes

## 1. Allgemeine Krankheitslehre
## General pathology — Pathologie générale

### a. Pathologische Pflanzenanatomie, Gallen, Teratologie
### Pathological anatomy of plants, galls, teratology
### Anatomie pathologique des plantes, galles, tératologie

(Siehe auch — see also — voyez aussi p. 29.)

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# 3. Nichtparasitäre Krankheiten
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## Conditions du sol, engrais

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## Weeds — Mauvaises herbes

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## Lutte contre les maladies à virus, inactivation et désinfection

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# III. Krankheiten und Wirtspflanzen
# Diseases and host plants — Maladies et plantes attaquées

## 1. Vegetation und Kulturpflanzen im allgemeinen
## Übersicht über das Auftreten von Pflanzenkrankheiten und Schädlingen
## Vegetation and cultivated plants in general
## Survey of the incidence of plant diseases and parasites
## Végétation et plantes cultivées en général
## Résumé de la fréquence des maladies végétales et de leurs parasites

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## Saatgut - Beizung
## Seed disinfection
## Désinfection de semences

(Siehe auch — see also — voyez aussi p. 505.)

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## 3. Kartoffeln und Rüben
## Potatoes and beets — Pommes de terre et betteraves

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(Siehe auch — see also — voyez aussi p. 255.)

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# 4. Hülsenfrüchte und Gräser
# Legumes and grasses — Légumineuses et graminées

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## b. Hülsenfrüchte
## Legumes — Légumineuses

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# Kernobst
## Pip fruits — Fruits à pépins

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# 8. Forstgehölze, Nutzhölzer, Holzzerstörer und Holzschutz
# Forest trees, timbers, parasites of wood and wood preservation
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# 11. Vorratsschutz
# Storage protection — Protection des stocks

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## Legumes — Légumineuses

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## h. Textilien
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# IV. Maßnahmen des Pflanzenschutzes
# Measures of plant protection
# Principes de la protection des plantes

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## 1. Pflanzenhygiene
## Plants hygiene — Hygiène des plantes

### a. Einfluß der Umgebung, insbesondere des Klimas, auf Pflanzenkrankheiten: Phänologie der Parasiten
### Environment influences, specially of the climate, on plant diseases: phenology of parasites
### Influence du milieu extérieur, surtout du climat, sur les maladies des plantes: phénologie des parasites

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## Prédisposition, l'immunité et résistance

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# 2. Pflanzentherapie
# Plant therapeutics — Thérapeutique des plantes

## a. Untersuchungs- und Bekämpfungstechnik
## Methods of examination and technics of disease control
## Méthodes de recherche et technique de la lutte contre les maladies

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## Spritzung, Bestäubung und Räucherung
## Sprays, dusts and fumigation
## Pulvérisation, poudrage et fumigation

(Siehe auch — see also — voyez aussi p. 293.)

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## Traitement de semences

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## Control by chemicals
## Lutte par des produits chimiques

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## Insecticides in general
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## Acarizide im allgemeinen
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## e. Toxikologie der Pflanzenschutzmittel
## Toxicology of parasiticides
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